

DOCUMENT RESUME

ED 377 060

SE 055 441

AUTHOR Palmer, Don; And Others
TITLE Stop! Look & Lesson: A Guide to Identifying and Correcting Common Mathematical Errors Manual.
REPORT NO ISBN-0-86431-114-1
PUB DATE 94
NOTE 120p.; For a related document, see SE 055 442.
AVAILABLE FROM Australian Council for Educational Research Ltd., 19 Prospect Hill Road, Camberwell, Melbourne, Victoria 3124, Australia.
PUB TYPE Guides - Classroom Use - Teaching Guides (For Teacher) (052)
EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Algorithms; Arithmetic; *Educational Diagnosis; Elementary Education; Error Correction; *Error Patterns; Foreign Countries; *Fractions; *Mathematics Instruction; *Number Systems; Remedial Instruction; Student Evaluation
IDENTIFIERS Australia; *Diagnostic Interviews

ABSTRACT

This manual is a dictionary of some 150 errors made by students in their work in mathematics. A precise definition and examples are given for each of these errors and these, combined with a description of common causes of the error, form a background for diagnosis of student problems with arithmetic. Teaching strategies and ideas, each linked to a specific error, are also suggested. Chapter topics include: (1) causes of student problems in mathematics, (2) advice about reteaching, (3) how to use Stop! Look and Lesson, (4) complete list of Stop! Look and Lesson errors, (5) problems with the number system, (6) problems with algorithms, and (7) problems with fractions. Contains 144 references. (MKR)

* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
